FIG.1

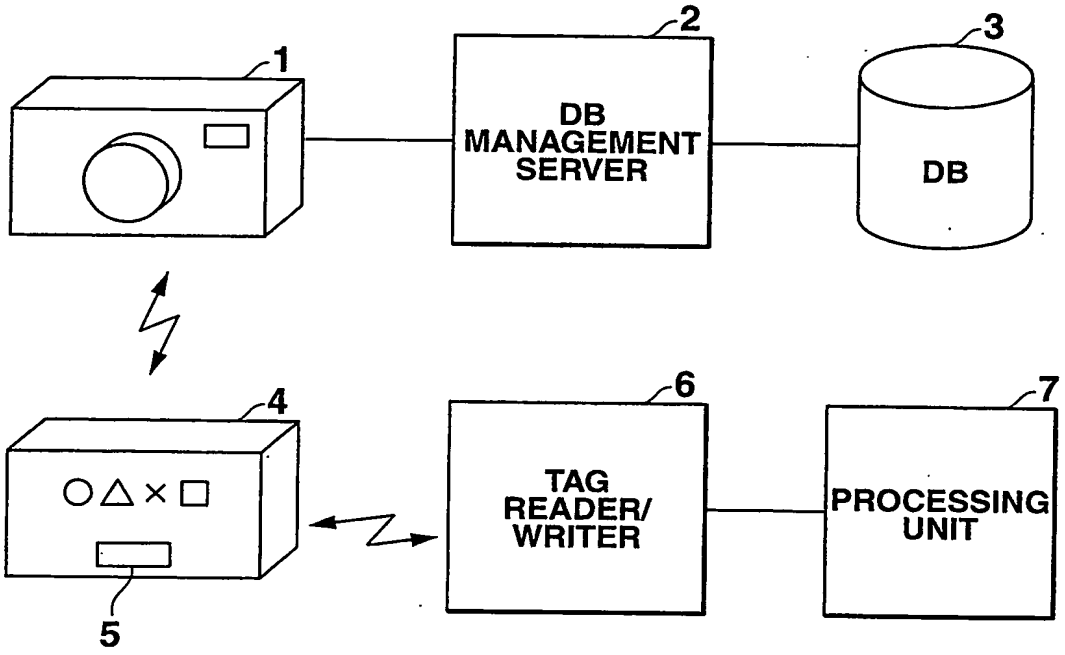

1
2
DB MANAGEMENT SERVER
3
DB
4
5
6
TAG READER/ WRITER
7
PROCESSING UNIT

FIG.2

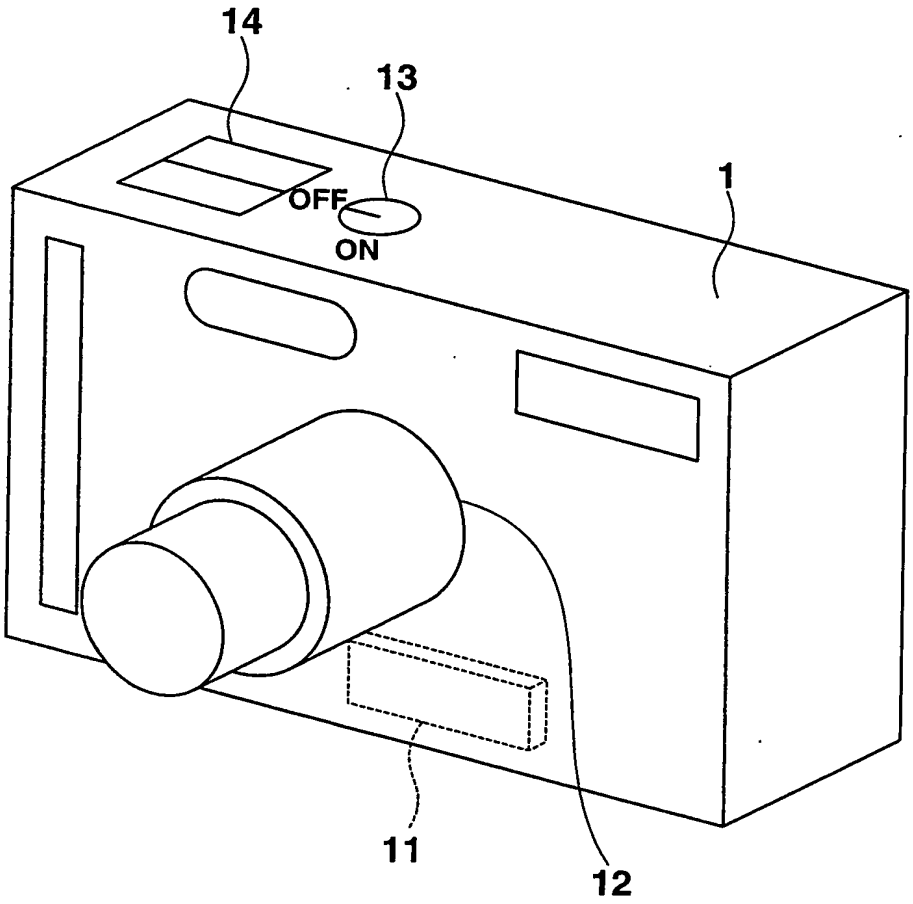


FIG.3

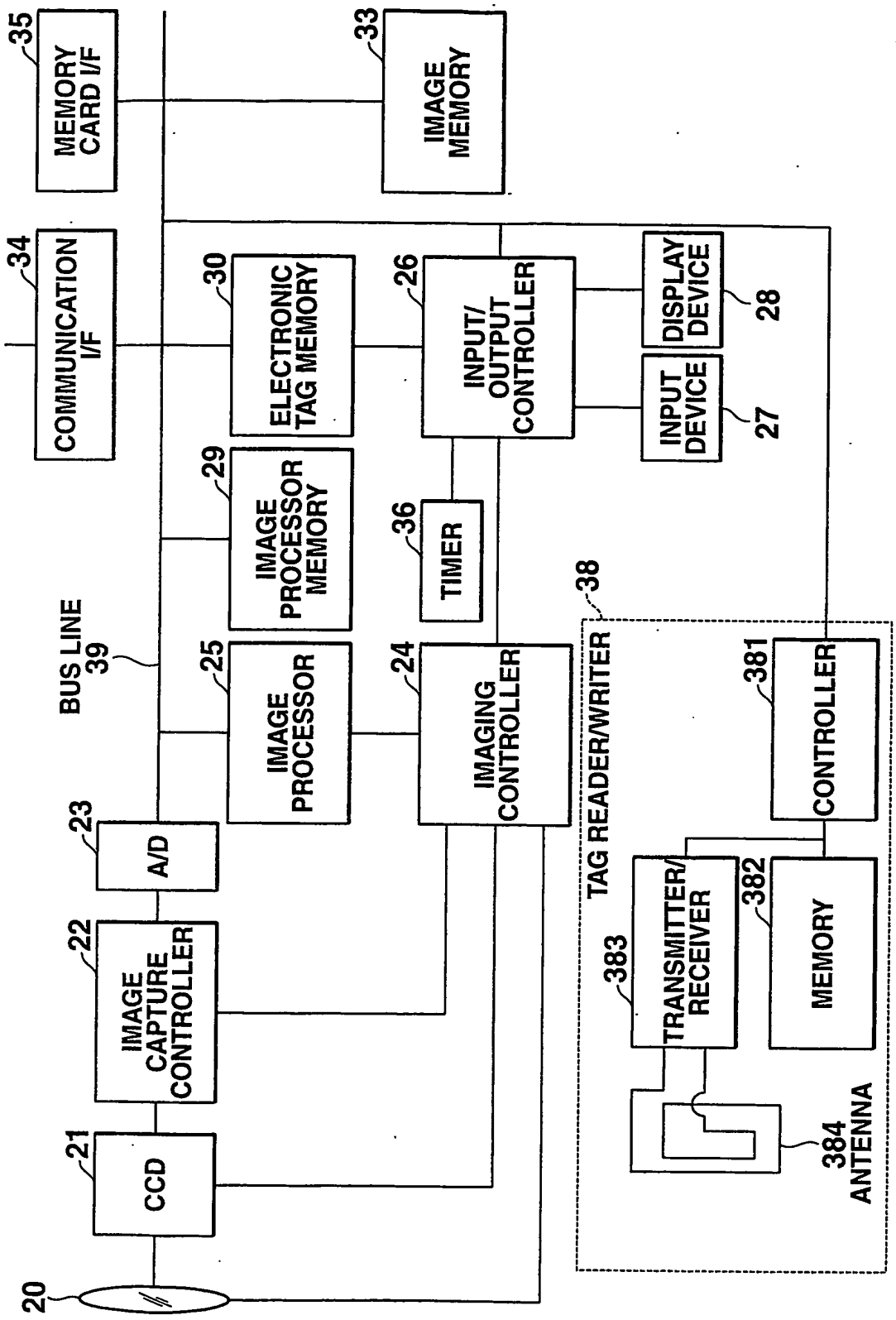

35
MEMORY CARD I/F
33
IMAGE MEMORY
34
COMMUNICATION I/F
30
ELECTRONIC TAG MEMORY
26
INPUT/ OUTPUT CONTROLLER
DISPLAY DEVICE
28
INPUT DEVICE
27
29
IMAGE PROCESSOR MEMORY
36
TIMER
38
BUS LINE
39
25
IMAGE PROCESSOR
24
IMAGING CONTROLLER
TAG READER/WRITER
381
CONTROLLER
23
A/D
22
IMAGE CAPTURE CONTROLLER
383
TRANSMITTER/ RECEIVER
382
MEMORY
21
CCD
384
ANTENNA
20

FIG.4

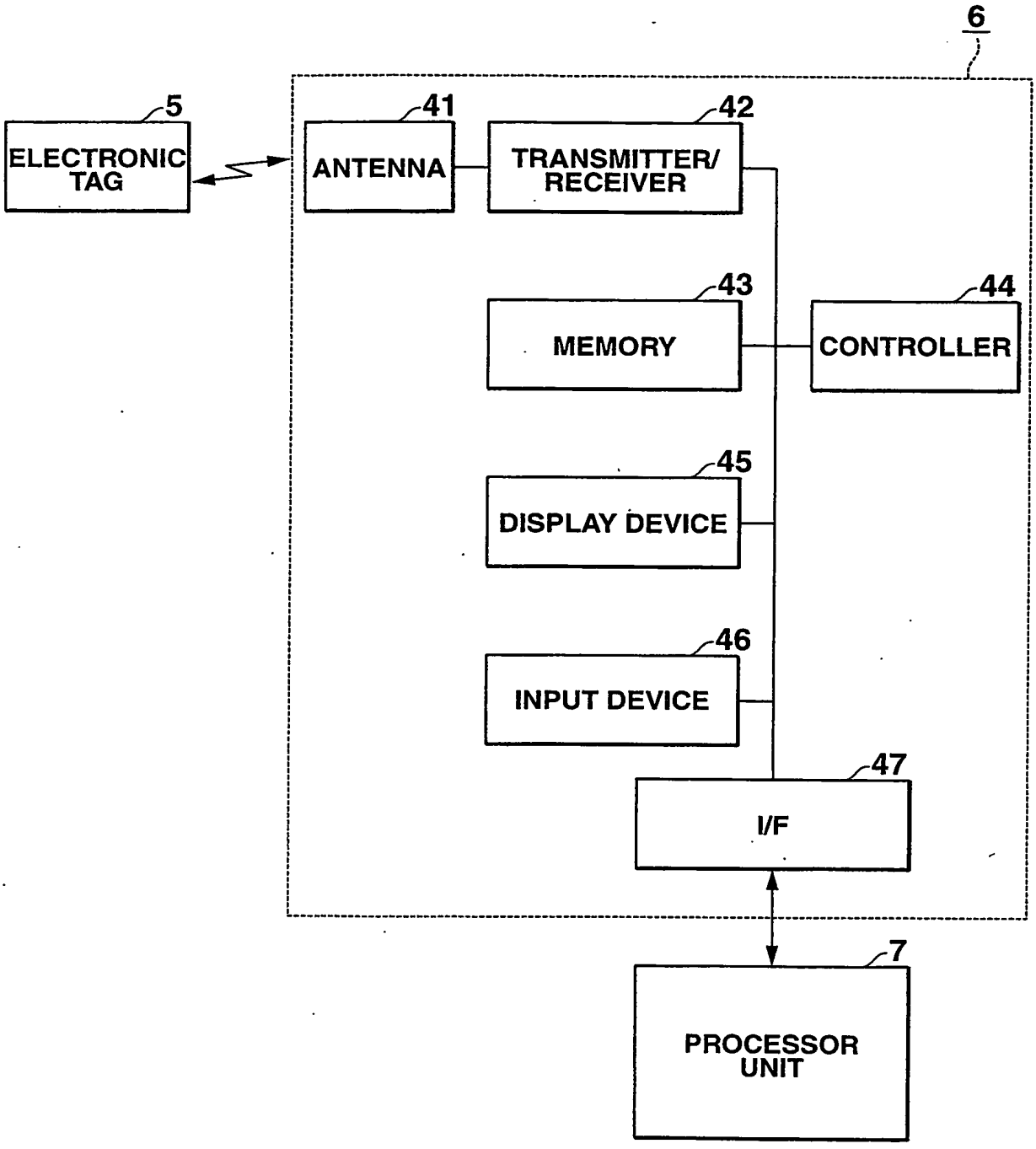

6
5
ELECTRONIC TAG
41
ANTENNA
42
TRANSMITTER/ RECEIVER
43
MEMORY
44
CONTROLLER
45
DISPLAY DEVICE
46
INPUT DEVICE
47
I/F
7
PROCESSOR UNIT

FIG.5

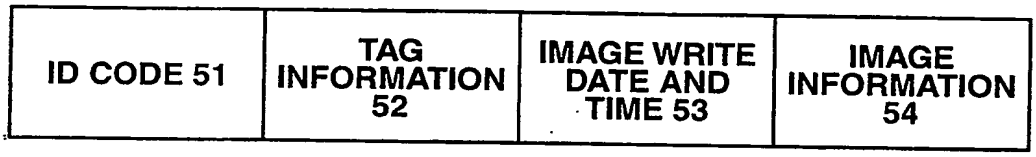

ID CODE 51
TAG INFORMATION 52
IMAGE WRITE DATE AND TIME 53
IMAGE INFORMATION 54

FIG.6

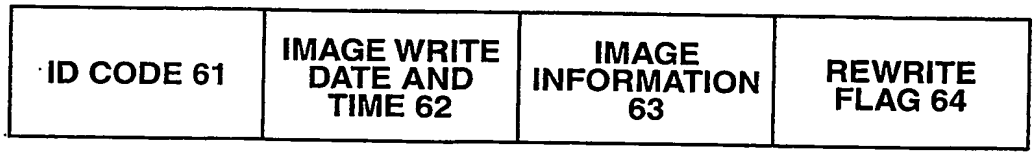

ID CODE 61
IMAGE WRITE DATE AND TIME 62
IMAGE INFORMATION 63
REWRITE FLAG 64

FIG.7

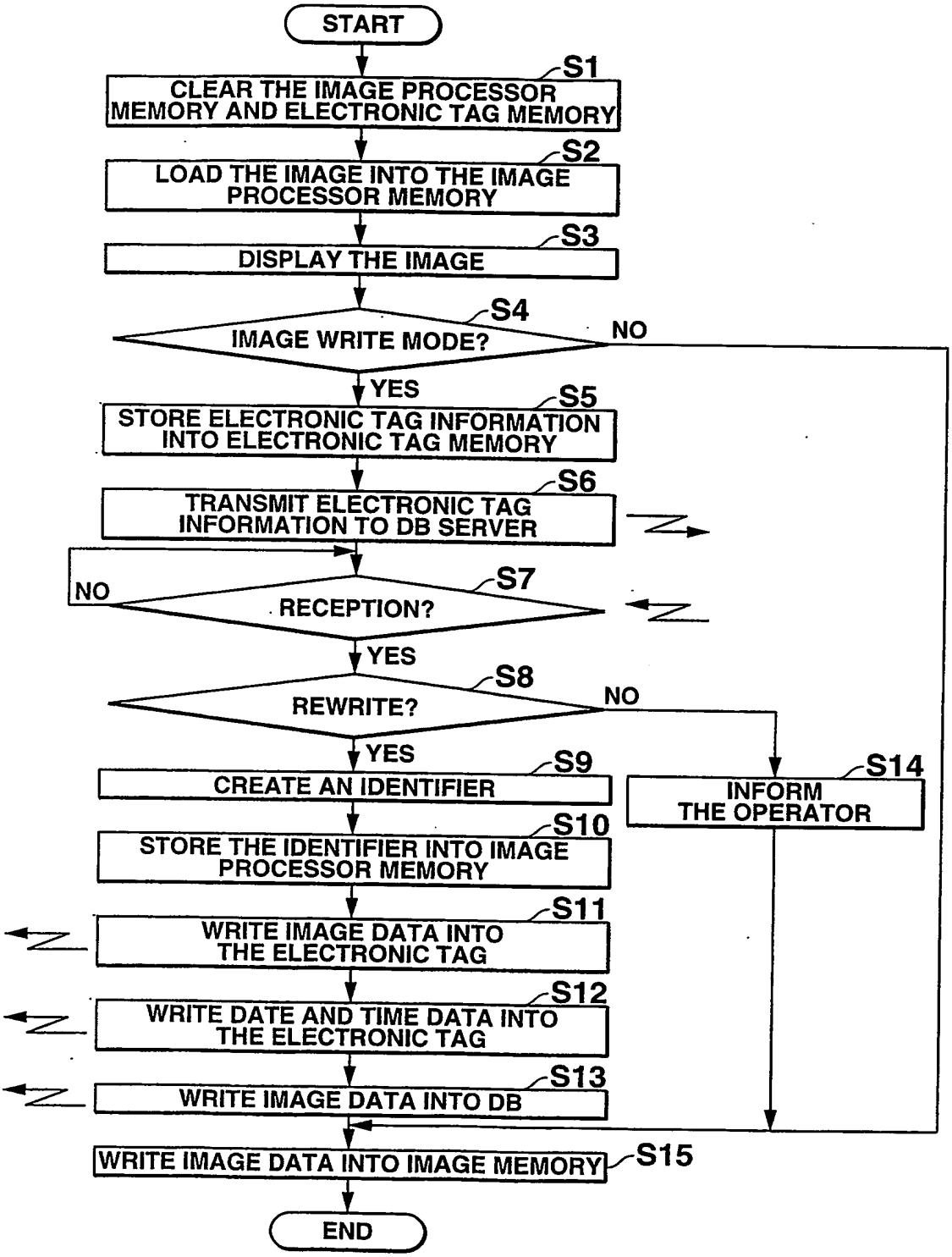

START
S1
CLEAR THE IMAGE PROCESSOR MEMORY AND ELECTRONIC TAG MEMORY
S2
LOAD THE IMAGE INTO THE IMAGE PROCESSOR MEMORY
S3
DISPLAY THE IMAGE
S4
IMAGE WRITE MODE?
NO
YES
S5
STORE ELECTRONIC TAG INFORMATION INTO ELECTRONIC TAG MEMORY
S6
TRANSMIT ELECTRONIC TAG INFORMATION TO DB SERVER
NO
S7
RECEPTION?
YES
S8
REWRITE?
NO
YES
S9
CREATE AN IDENTIFIER
S14
INFORM THE OPERATOR
S10
STORE THE IDENTIFIER INTO IMAGE PROCESSOR MEMORY
S11
WRITE IMAGE DATA INTO THE ELECTRONIC TAG
S12
WRITE DATE AND TIME DATA INTO THE ELECTRONIC TAG
S13
WRITE IMAGE DATA INTO DB
WRITE IMAGE DATA INTO IMAGE MEMORY
S15
END

FIG.8

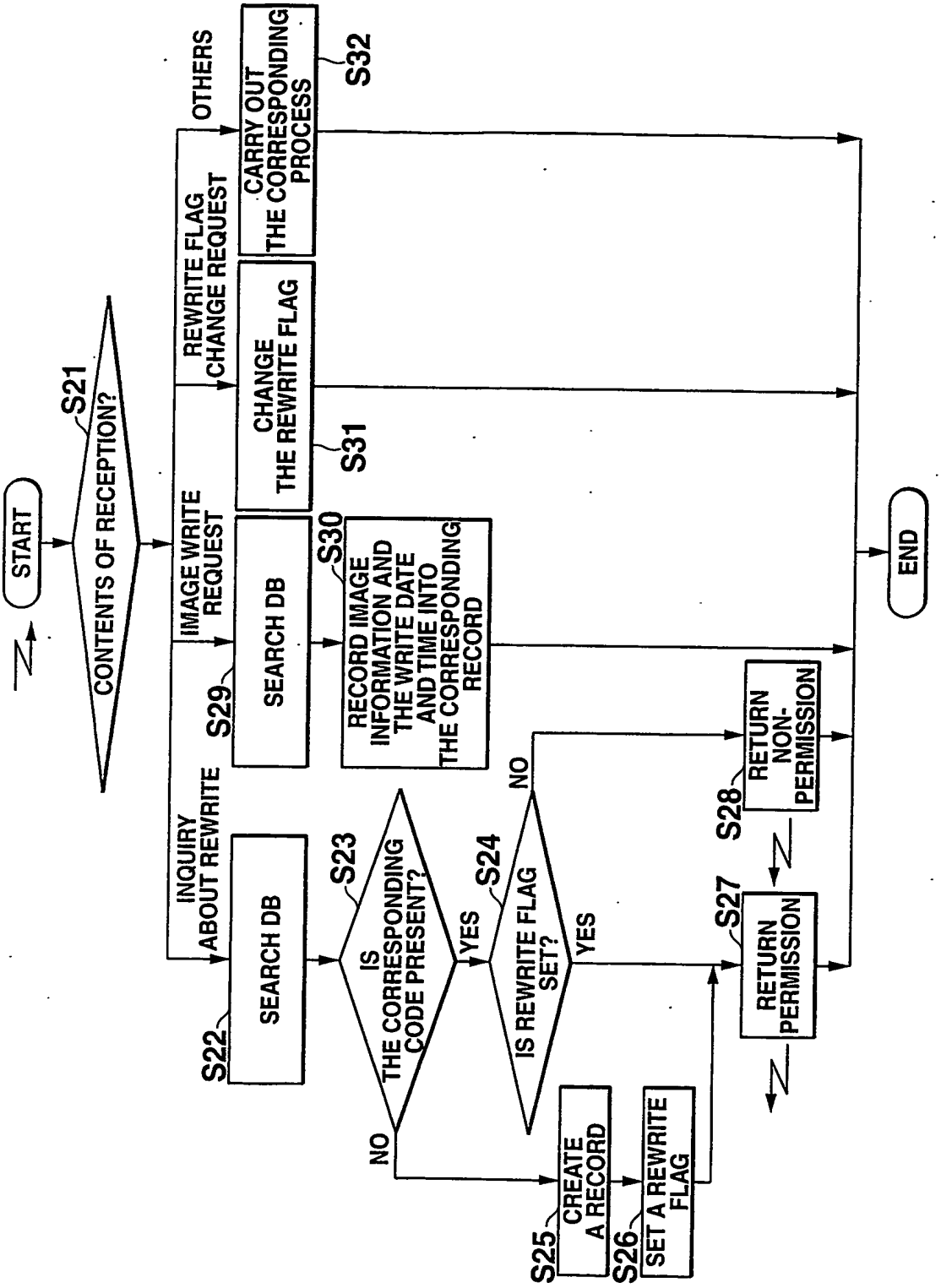
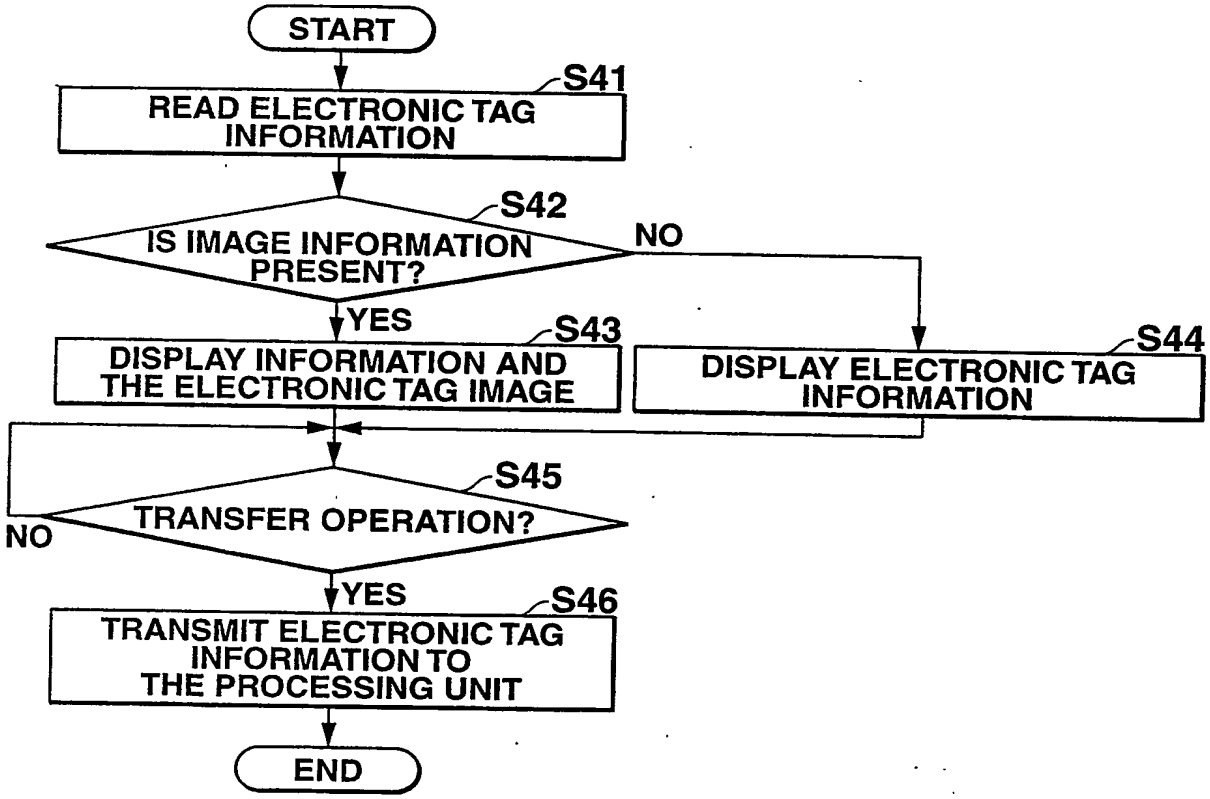

START
CONTENTS OF RECEPTION?
S21
IMAGE WRITE REQUEST
REWRITE FLAG CHANGE REQUEST
OTHERS
CARRY OUT THE CORRESPONDING PROCESS
S32
CHANGE THE REWRITE FLAG
S31
SEARCH DB
S29
RECORD IMAGE INFORMATION AND THE WRITE DATE AND TIME INTO THE CORRESPONDING RECORD
S30
END
INQUIRY ABOUT REWRITE
SEARCH DB
S22
IS THE CORRESPONDING CODE PRESENT?
S23
YES
NO
IS REWRITE FLAG SET?
S24
YES
NO
RETURN NON-PERMISSION
S28
RETURN PERMISSION
S27
CREATE A RECORD
S25
SET A REWRITE FLAG
S26

FIG.9


START
S41
READ ELECTRONIC TAG INFORMATION
S42
IS IMAGE INFORMATION PRESENT?
NO
YES
S43
DISPLAY INFORMATION AND THE ELECTRONIC TAG IMAGE
S44
DISPLAY ELECTRONIC TAG INFORMATION
S45
TRANSFER OPERATION?
NO
YES
S46
TRANSMIT ELECTRONIC TAG INFORMATION TO THE PROCESSING UNIT
END